

130	SPREAD SPECTRUM	228	.With indicator
131	.Hybrid form	229	EQUALIZERS
132	.Frequency hopping	230	.Automatic
133	..End-to-end transmission system	231	..Training period or initial set up
134	...Having specific code acquisition or tracking	232	..Adaptive
135	..Transmitter	233	...Decision feedback equalizer
136	..Receiver	234	...Fractionally spaced equalizer
137	...Having specific code acquisition or tracking	235	...Quadrature channels
138	.Time hopping	236	...Accumulator or up/down counter
139	.Chirp	237	PULSE NUMBER MODULATION
140	.Direct sequence	238	PULSE WIDTH MODULATION
141	..End-to-end transmission system	239	PULSE POSITION, FREQUENCY, OR SPACING MODULATION
142	...Having correlation-type receiver	240	BANDWIDTH REDUCTION OR EXPANSION
143	...Having matched-filter-type receiver	240.01	.Television or motion video signal
144	...Having multi-receiver or interference cancellation	240.02	..Adaptive
145	...Having specific signaling for code synchronization	240.03	...Quantization
146	..Transmitter	240.04	....Feed forward
147	..Receiver	240.05	....Feed back
148	...Multi-receiver or interference cancellation	240.06	...Feed forward
149	...Having specific code synchronization	240.07	...Feed back
150	...Correlation-type receiver	240.08	..Feature based
151	....Having SAW or charge-transfer device	240.09	...Polygonal approximation
152	...Matched-filter-type receiver	240.1	...Separate coders
153	....Having SAW or charge-transfer device	240.11	....Subband coding
211	REPEATERS	240.12	..Predictive
212	.Ring or star configuration	240.13	...Intra/inter selection
213	.Testing	240.14	...Plural
214	.Including pulse regeneration or conversion	240.15	...Bidirectional
215	..Phase locked loop	240.16	...Motion vector
216	APPARATUS CONVERTIBLE TO ANALOG	240.17	....Half-pixel refinement
217	.Muting circuit and squelch	240.18	..Transform
218	EARTH OR WATER MEDIUM	240.19	...Wavelet
219	TRANSCEIVERS	240.2	...Discrete cosine
220	.Transmission interface between two stations or terminals	240.21	..Subsampling
221	.Loopback mode	240.22	..Vector quantization
222	.Modems (data sets)	240.23	..Variable length coding
223	..Angle modulation	240.24	..Block coding
224	TESTING	240.25	..Specific decompression process
225	.Data rate	240.26	..Associated signal processing
226	.Phase error or phase jitter	240.27	..Error detection or correction
227	.Signal noise	240.28	...Synchronization
		240.29	...Pre/post filtering
		241	.Pulse code modulation
		242	PULSE CODE MODULATION
		243	.Correcting or reducing quantizing errors
		244	.Differential
		245	..Quantizer or inverse quantizer
		246	..Length coding
		247	..Single bit (delta)

248	....Nonamplitude delta (area, etc.)	292	.Disparity reduction
		293	.Synchronized
249	....Compand (overload prevention)	294	.Phase locked loop
250	....Redundancy removal	295	TRANSMITTERS
251	....Syllabic	296	.Antinoise or distortion (includes predistortion)
252	....Plural feedback loops	297	.Power amplifier
253	.Length coding	298	.Quadrature amplitude modulation
254	.Noise or distortion reduction	299	.Plural diversity
256	PULSE TRANSMISSION VIA RADIATED BASEBAND	300	.Amplitude modulation
257	CABLE SYSTEMS AND COMPONENTS	301	.Single or vestigial sideband or suppressed carrier
258	.Transformer coupling	302	.Angle modulation
259	SYSTEMS USING ALTERNATING OR PULSATING CURRENT	303	.Frequency shift keying
260	.Plural channels for transmission of a single pulse train	304	...Antenna tuning with frequency shift
261	..Quadrature amplitude modulation	305	...Minimum shift keying
262	...Maximum likelihood decoder or viterbi decoder	306	...One oscillator
263	...Partial response	307	...Two or more oscillators
264	...Multilevel	308	..Phase shift keying
265	...Trellis encoder or Trellis decoder	309	.Keying circuits
267	..Diversity	310	..Remote controlled
268	.Amplitude modulation	311	..Automatic
269	..With phase or frequency shift keying	312	..Power or bias voltage supply keying
270	..Vestigial or single sideband or suppressed carrier	313	..Key shock or click prevention
271	.Angle modulation	314	..Including auxiliary control tube
272	..Frequency shift keying	315	..Modulation by absorption of signal, changing antenna dimension or changing antenna impedance
273	...Combined with phase shift keying	316	RECEIVERS
274	...Minimum shift keying	317	.Automatic baseline or threshold adjustment
275	...More than two frequencies	318	..Differential amplifier
276	...One cycle or less per bit	319	..Automatic bias circuit for DC restoration
277	...Vestigial or single sideband, or suppressed carrier	320	.Amplitude modulation
278	...Antinoise or distortion	321	..Single or vestigial sideband or suppressed carrier
279	..Phase shift keying	322	.Angle modulation
280	...More than two phases	323	..Combined phase shift keyed and frequency shift keyed
281	....Quaternary	324	..Particular demodulator
282	...Biphase (manchester codes)	325	...Including coherent detector
283	...Differential phase shift keying (diphase)	326	..Carrier recovery circuit or carrier tracking
284	...Antinoise or distortion	327	...Phase locked loop
285	.Antinoise or distortion	328	...Including switching or gating (digital circuits)
286	MULTILEVEL	329	..Phase shift keying
287	.With threshold level	330	...Differential (diphase)
288	.Transmission line		
289	.Bipolar signal		
290	.Partial response		
291	..Duobinary		

331	....More than two phases	368	...Synchronizer pattern recognizers
332	...Plural phase (>2)	369	..Start - stop
333	...Biphase (manchester code)	370	..With asynchronous data
334	..Frequency shift keying	371	.Phase displacement, slip or jitter correction
335	...More than two frequencies	372	..Elastic buffer
336	...Minimum shift keying	373	..Phase locking
337	...Separate mark and space channels	374	...With charge pump or up and down counters
338	.Interrupted carrier wave	375	...With frequency detector and phase detector
339	..Carrier controlling local generator	376	...Phase locked loop
340	.Particular pulse demodulator or detector	377	MISCELLANEOUS
341	..Maximum likelihood decoder or viterbi decoder		
342	..Locating predetermined portion of pulse		
343	..Correlative or matched filter		
344	.Automatic frequency control		
345	.Automatic gain control		
346	.Interference or noise reduction		
347	..Diversity (frequency or time)		
348	..Intersymbol interference		
349	..Plural signal paths in receiver		
350	..By filtering (e.g., digital)		
351	..Gating, blanking, etc.		
352	.With electromagnetic relay or solenoid		
353	PULSE AMPLITUDE MODULATION		
354	SYNCHRONIZERS		
355	.Synchronizing the sampling time of digital data		
356	.Network synchronizing more than two stations		
357	.Synchronization failure prevention		
358	.Feedback, receiver to transmitter		
359	.Self-synchronizing signal (self-clocking codes, etc.)		
360	..With transition detector		
361	..Manchester code or biphase code		
362	.Frequency or phase control using synchronizing signal		
363	..Synchronization bit insertion into artificially created gaps		
364	..Synchronization signals with unique amplitude, polarity, length, or frequency		
365	..Synchronization word		
366	...Plurality of synchronization words		
367	...Pseudo noise		

FOREIGN ART COLLECTIONS**FOR 000 CLASS-RELATED FOREIGN DOCUMENTS**

Any foreign patents or non-patent literature from subclasses that have been reclassified have been transferred directly to FOR Collection listed below. These collections contain ONLY foreign patents or nonpatent literature. The parenthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.

FOR 100 SPREAD SPECTRUM (375/200)

- FOR 101 .Hybrid forms (375/201)
- FOR 102 .Frequency hopping (375/202)
- FOR 103 .Time hopping (375/203)
- FOR 104 .Pulsed FM or chirp (375/204)
- FOR 105 .Direct sequence (375/206)
- FOR 106 .Matched filter (375/207)
- FOR 107 .Pseudo-noise correlation (375/208)
- FOR 108 ..Auto-correlation (375/209)
- FOR 109 ..Cross-correlation (375/210)

